CMS Simulation (LHE) 13 TeV Fraction of events / 0.1 $pp \rightarrow h \rightarrow 2n_{_1} \rightarrow 2n_{_D} + 2\; \gamma_{_D} \rightarrow 2n_{_D} + 4\mu$ 0.035 $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_2} = 1 \text{ GeV}$ m_{γ_D} = 0.3 GeV, $c\tau_{\gamma_D}$ = 5. mm 1st n_D (leading p_T) 0.03 $-2nd n_D$ 0.025 0.02 0.015 0.01 0.005 -3 3 -5